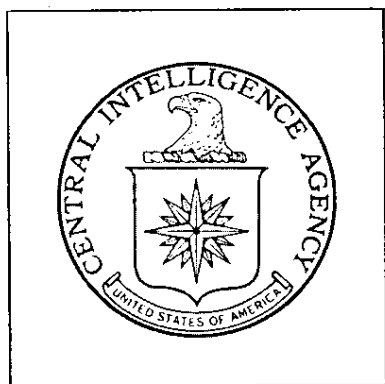


Top Secret



**DIRECTORATE OF
INTELLIGENCE**

**Industrial Facilities
(Non-Military)**

Basic Imagery Interpretation Report

Selected Cement Plants

China

Top Secret

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RCS 13/0040/72

DATE APRIL 1972

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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

ABSTRACT

This report presents information on 51 major cement plants in China. It includes initial basic studies on five new plants -- at Kuang-chou, Kuang-hua, Mao-ming, Shih-tsui-shan, and Tou-tang. Updates are provided on 44 plants. Two plants, Ku-shui and Nan-ping, have not been seen on interpretable photography since the previous report. The cutoff date for information in this report is January 1972.

The plants studied contained a total of 116 rotary kilns. These include a new kiln at Wu-chang, a new kiln at Ying-te, and nine kilns at the five new plants.

During the period of this study, at least 65 and possibly 83 kilns were seen operating at a total of 38 plants.

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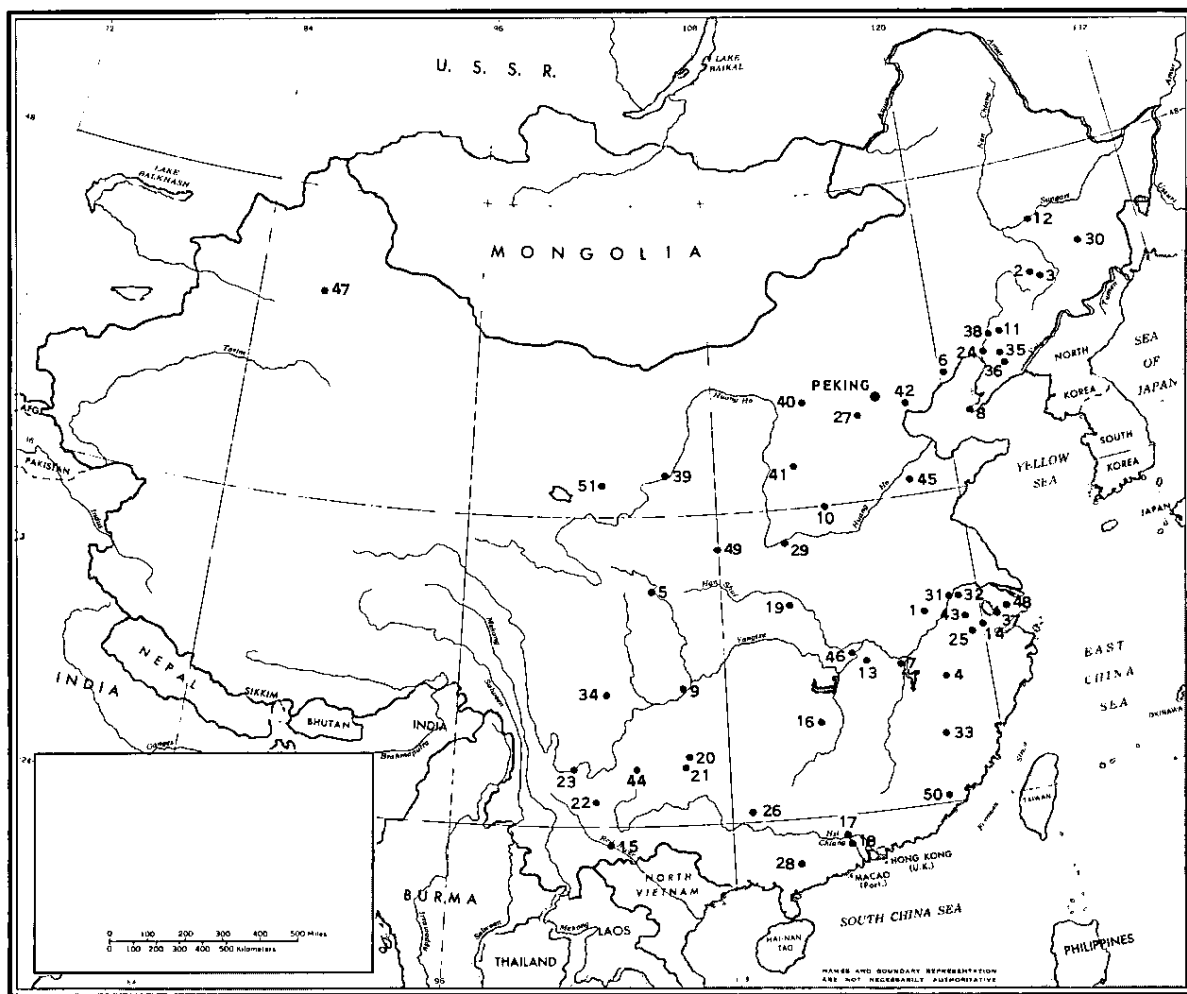


FIGURE 1. LOCATION MAP.

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INTRODUCTION

This report presents information on the status of the following major cement plants in China (see Figure 1).

1. Chao-hsien Cement Plant.
2. Chi-lin Cement Plant.
3. Chi-lin Cement Plant 2.
4. Chiang-shan Cement Plant.
5. Chien-ko Cement Plant.
6. Chin-hsi Cement Plant.
7. Chiu-chiang Cement Plant.
8. Chou-shui-tzu Cement Plant.
9. Chung-ching Cement Plant.
10. Feng-feng Cement Plant.
11. Fu-shun Cement Plant.
12. Ha-erh-pin Cement Plant.
13. Huang-shih Cement Plant.
14. Hu-chou Cement Plant.
15. Kai-yuan Cement Plant.
16. Ku-shui Cement Plant.
17. Kuang-chou Cement Plant.
18. Kuang-chou Cement Plant 2.
19. Kuang-hua Cement Plant.
20. Kuei-yang Cement Plant 2.
21. Kuei-yang Cement Plant 3.
22. Kun-ming Cement Plant.
23. Kuo-kuo Cement Plant.
24. Liao-yang Cement Plant.
25. Lin-ping Cement Plant.
26. Liu-chou Cement Plant.
27. Liu-li-ho Cement Plant.
28. Mao-ming Cement Plant Kung-kuan-hsu.
29. Miao-tou-chai Cement Plant Shih-fu.
30. Mu-tan-chiang Cement Plant Wen-chuan.
31. Nan-ching Cement Plant Kiang-nan.
32. Nan-ching Cement Plant Lung-tan.
33. Nan-ping Cement Plant.
34. O-mei Cement Plant.
35. Pen-chi Cement Plant Kung-yuan.
36. Pen-chi Cement Plant South.
37. Shang-hai Cement Plant.
38. Shen-yang Cement Plant.
39. Shih-tsui-shan Cement Plant Erh-tao-kan.
40. Ta-tung Cement Plant.

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41. Tai-yuan Cement Plant.
42. Tang-shan Cement Plant Chi-hsin.
43. Ting-shu-chen Cement Plant.
44. Tou-tang Cement Plant.
45. Tzu-po Cement Plant Nan-ting.
46. Wu-chang Cement Plant.
47. Wu-lu-mu-chi Cement Plant.
48. Wu-sung Cement Plant.
49. Yao-hsien Cement Plant.
50. Ying-te Cement Plant.
51. Yung-teng Cement Plant.

Requirement

COMIREX NO4
Support Number 422820

Document References

- CIA. RCS-13/0040/71, Selected Cement Plants, China, May 1971,
(TOP SECRET [REDACTED])
- CIA. RCS-13/0031/70, Selected Cement Plants, China, May 1970,
(TOP SECRET [REDACTED])
- CIA. RCS-13/0145/69, Selected Cement Plants, China, June 1969
(TOP SECRET [REDACTED])

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Chao-hsien Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 50RNK799988 | 31-37-20N 117-50-10E | |
| MAP REFERENCE | | |
| 8th RTS. USATC, Series 200, Sheet M0493-4HL, 4th ed. Apr 68. Scale 1:200,000 (SECRET) | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| | | NA |

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BASIC DESCRIPTION

No apparent changes have been made at Chao-hsien Cement Plant since December 1970, the date of the latest photography used in the previous report. However, the poor quality of the April 1971 photography precluded a detailed analysis of the plant.

No smoke was seen coming from the stacks, indicating that neither of the two kilns was operating in April 1971.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Chi-lin Cement Plant 2

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

52TCD079634

43-54-05N 126-36-25E

MAP REFERENCE

15th RTS. USATC, Series 200, Sheet M0290-3HL, 5th ed. Jun 71. Scale 1:200,000

(SECRET)

LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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BASIC DESCRIPTION

No changes have been observed at Chi-lin Cement Plant 2 since December 1970, the date of the latest photography used in the previous report.

The single kiln at this plant was operating in April and July 1971, as indicated by smoke coming from the stack.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Chien-ko Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| -- | 32-05-00N 105-06-00E | |
| MAP REFERENCE | | |
| ACIC. Tactical Pilotage Chart, Sheet G-9D, May 67, Scale 1:500,000 (UNCLASSIFIED) | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| | | NA |

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BASIC DESCRIPTION

No changes have been observed at Chien-ko Cement Plant since August 1969, the date of the latest photography used in previous reports.

Smoke was coming from the two western stacks in March 1971, indicating that two of the three kilns were operating.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Chin-hsi Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 51TUF188130 | 40-45-42N 120-51-01E | |
| MAP REFERENCE | | |
| 15th RTS. USATC, Series 200, Sheet M0289-24HL, 4th ed, Aug 69, Scale 1:200,000 (SECRET) | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| | | NA |

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BASIC DESCRIPTION

No changes have been observed at Chin-hsi Cement Plant since February 1971, the date of the latest photography used in the previous report.

Both stacks were smoking in March and June 1971, indicating that at least two and possibly all three of the kilns were operating.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Chung-ching Cement Plant

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

48RXH518693

29-32-40N 106-34-03E

MAP REFERENCE

15th RTS. USATC, Series 200, Sheet M0495-19HL, 3rd ed. Mar 68. Scale 1:200,000
(SECRET)

LATEST IMAGERY USED

NEGATION DATE (If required)

NA

BASIC DESCRIPTION

No changes have been observed at Chung-ching Cement Plant since August 1970, the date of the latest photography used in the previous report.

Smoke was coming from all three stacks in March and November 1971, indicating that the three kilns were operating.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Feng-feng Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 50SKR502383 | 36-26-00N 114-10-20E | |
| MAP REFERENCE | | |
| 15th RTS. USATC, Series 200. Sheet M0382-24HL, 3rd ed, Aug 67, Scale 1:200,000 (SECRET) | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| | | NA |

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BASIC DESCRIPTION

No changes have been observed at Feng-feng Cement Plant since December 1970, the date of the latest photography used in the previous report.

Smoke from two stacks indicated that two of the kilns were operating in June 1971. Smoke from the two western stacks obscured the other stack in September 1971 and January 1972, indicating that at least two and possibly all three of the kilns were operating.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Ku-shui Cement Plant

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

49RFA178691

27-44-00N 112-12-00E

MAP REFERENCE

15th RTS. USATC, Series 200, Sheet M0497-5HL, 2nd ed, Nov 65, Scale 1:200,000

(SECRET)

LATEST IMAGERY USED

NEGATION DATE (If required)

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NA

NOTICE

Ku-shui Cement Plant has not been seen on photography since September 1969.
At that time, this plant had two rotary kilns.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Kuang-chou Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 49QGR292630 | 23-09-10N 113-14-15E | |
| MAP REFERENCE | | |
| USATC, Series 200, Sheet M0614-6HL, 5th ed, May 68, Scale 1:200,000 | | |
| (SECRET/ | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| | | NA |

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BASIC DESCRIPTION

No changes have been observed at Kuang-chou Cement Plant since July 1970, the date of the latest photography used in the previous report.

At least one kiln was operating in March 1971, as indicated by smoke coming from the stack area. However, the small scale of the photography precluded a precise determination of the number of stacks emitting smoke. On two kilns were operating, as indicated by smoke coming from two stacks. None of the four kilns were operating on

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| INSTALLATION OR ACTIVITY NAME | | | COUNTRY | |
| Kuang-chou Cement Plant 2 | | | CH | |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | COMIREX NO. | NIETB NO. | |
| 49QGR490535 | 23-04-40N 113-25-40E | None | None | |
| MAP REFERENCE | | | | |
| [] USATC, Series 200, Sheet M0614-6HL, 5th ed, May 68, Scale 1:200,000 (SECRET, []) | | | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) | | |
| [] | | NA | | |

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BASIC DESCRIPTION

Kuang-chou Cement Plant 2 is located on an island in the Chu Chiang (River), approximately 5 nautical miles (nm) west of Kuang-chou and 1 nm west of Huang-pu Naval Base and Shipyard []. The plant is connected by road and rail to a port facility. There are no apparent physical security measures. The plant occupies about 2.5 acres in an area approximately 500 by 200 feet.

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This plant produces cement using the dry process. The plant has two kilns enclosed in a building measuring 170 by 50 feet (see Figure 2). Other major plant components include a raw materials receiving and storage building, storage silos, a crushing and grinding building, a large clinker storage building, and a shipping building. The plant is connected by rail to a warehouse 1200 feet to the north, and to a dock about 200 feet north of the warehouse.

The plant was constructed prior to March 1962, when it was first seen on overhead photography. The kiln building underwent unidentified repairs from December 1968 through October 1969. Two small circular tank-like objects have been seen under construction since July 1970.

Smoke was seen coming from one of the stacks, indicating that one of the two kilns was operating on photography of January and April 1967, October 1969, January, July and October 1970, and November 1971. The second kiln at this plant has not been seen in operation.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Kuang-hua Cement Plant

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

COMIREX NO.

NIETB NO.

49SEF620911

32-27-11N 111-39-32E

None

None

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MAP REFERENCE

548th RTG. USATC, Series 200, Sheet M0385-22HL, 2nd ed, Nov 68, Scale 1:200,000

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LATEST IMAGERY USED

BASIC DESCRIPTION

Kuang-hua Cement Plant is located approximately 5 nautical miles north of Kuang-hua, near the Han-shui River. It is road and rail served. There are no apparent physical security measures. The plant occupies about 19 acres in an area approximately 1,075 by 990 feet.

This plant is designed to produce cement using the wet process. The plant has two exposed rotary kilns, each measuring 300 (see Figure 1). They are served by a single masonry stack.

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Ground scarring for the plant was observed in December 1969. In August 1970, the two kilns, the stack, and several support buildings were complete, and the raw material preparation/clinker storage building was under construction. In June 1971, the raw material preparation/clinker storage building, the slurry tank, storage silos, and a shipping building appeared to be complete. The plant did not appear to be operationally complete in June 1971. The rail line was still under construction and the raw materials receiving area appeared incomplete.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Kuei-yang Cement Plant 2

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

48RXE672385

26-33-21N 106-40-45E

MAP REFERENCE

15th RTS. USATC, Series 200. Sheet M0496-10HL. 4th ed. Jul 71. Scale 1:200,000

(SECRET/

LATEST IMAGERY USED

NEGATION DATE (If required)

NA

BASIC DESCRIPTION

No changes have been observed at Kuei-yang Cement Plant 2 since March 1970, the date of the latest photography used in the previous report.

The single kiln at this plant was not operating in March or June 1971.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Kuei-yang Cement Plant 3

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

48RXE664350

26-31-30N 106-40-15E

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MAP REFERENCE

15th RTS. USATC, Series 200, Sheet M0496-10HL, 4th ed, Jul 71, Scale 1:200,000
(SECRET)

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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BASIC DESCRIPTION

No changes have been observed at Kuei-yang Cement Plant 3 since March 1970, the date of the latest photography used in the previous report.

All four kilns were operating in March and June 1971, as indicated by smoke coming from the four stacks.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Kun-ming Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 48RTC600688 | 25-00-45N 102-37-20E | |
| MAP REFERENCE | | |
| ACIC. USATC, Series 200, Sheet M0496-17HL, 3rd ed, Jan 68, Scale 1:200,000 (SECRET) | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| | | NA |

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BASIC DESCRIPTION

No changes have been observed at Kun-ming Cement Plant since March 1970, the date of the latest photography used in the previous report.

Smoke coming from the stacks indicated that both of the kilns were operating in April 1971. Smoke from one stack obscured the other stack on indicating that at least one of the two kilns was operating. Neither kiln was operating on

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY | |
| Kuo-kuo Cement Plant | | CH | |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | COMIREX NO. | NIETB NO. |
| 47RQV569445 | 26-35-55N 101-34-40E | None | None |
| MAP REFERENCE | | | |
| AMS. Series 1505, NG 47-8, Jen-ho (Jen-ho-chieh), China. Scale 1:250,000. 1st ed. Apr 71 (SECRET) | | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) | |
| | | NA | |

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BASIC DESCRIPTION

No changes have been observed at Kuo-kuo Cement Plant since November 1970, the date of the latest photography used in the previous report.

Smoke coming from one stack obscured the other stack in April and June 1971 and January 1972, indicating that at least one and possibly both of the kilns were operating.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Liu-chou Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 49RCS225963 | 24-22-20N 109-15-20E | |
| MAP REFERENCE | | |
| 15th RTS. USATC, Series 200, Sheet M0497-22HL, 3rd ed. Mar 70. Scale 1:200,000 (SECRET) | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| | | NA |

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BASIC DESCRIPTION

No changes have been observed at Liu-chou Cement Plant since September 1969, the date of the latest photography used in previous reports.

Smoke coming from the three stacks indicates that all three kilns at this plant were operating in September 1971 and January 1972.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Liu-li-ho Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 50SMU161836 | 39-35-51N 116-01-41E | |
| MAP REFERENCE | | |
| 548th RTG. USATC, Series 200, Sheet M0381-1HL, 5th ed, Apr 71, Scale 1:200,000 (SECRET, [REDACTED]) | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| [REDACTED] | | NA |

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BASIC DESCRIPTION

No changes have been observed at Liu-li-ho Cement Plant since November 1970, the date of the latest photography used in the previous report.

The plant was not operating in June 1971. Smoke coming from both stacks indicated that the two kilns were operating in September 1971 and January 1972.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY | |
| Mao-ming Cement Plant Kung-kuan-hsu | | CH | |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | COMIREX NO. | NIETB NO. |
| 49QDP867972 | 21-40-30N 110-52-30E | None | None |
| MAP REFERENCE | | | |
| ACIC. USATC, Series 200, Sheet M0615-14HL, 3rd ed, Mar 67. Scale 1:200,000 (SECRET, [REDACTED]) | | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) | |
| [REDACTED] | | [REDACTED] | |

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BASIC DESCRIPTION

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Mao-ming Cement Plant is located adjacent to Mao-ming Shale Oil Refinery Kung-kuan [REDACTED], approximately 15 nautical miles south of Mao-ming. The plant is road and rail served. There are no apparent physical security measures. The plant occupies about 4 acres in an area approximately 780 by 250 feet.

This plant will probably produce cement using the wet process. The plant presently has one exposed rotary kiln, measuring 135 [REDACTED] served by a masonry stack. The bases for a second, larger, kiln are in place and kiln sections are lying around the plant (see Figure 4). Other major plant components include a receiving building, four storage silos, three mixing and blending silos, a clinker storage and finishing mill, and a shipping building.

Construction was started at the plant between December 1968 and September 1971. The plant could not be analyzed in detail on the September 1971 coverage due to the small scale of the photography. In November 1971, the plant appeared to be incomplete. It has not been seen operating.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Nan-ching Cement Plant Kiang-nan

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

50SPL864590

32-09-25N 118-58-35E

25X1

MAP REFERENCE

8th RTS. USATC, Series 200, Sheet M0386-23HL. 4th ed. Aug 68. Scale 1:200,000
(SECRET)

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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BASIC DESCRIPTION

No changes have been observed at Nan-ching Cement Plant Kiang-nan since May 1970, the date of the latest photography used in the previous report.

Smoke coming from the stack indicated that at least one and possibly both of the two kilns were operating in April 1971.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Nan-ching Cement Plant Lung-tan | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 50SPL953603 | 32-10-07N 119-04-01E | |
| MAP REFERENCE | | |
| 8th RTS. USATC, Series 200, Sheet M0386-23HL, 4th ed. Aug 68. Scale 1:200,000 | | |
| (SECRET) | | |
| LATEST IMAGERY USED | NEGATION DATE (If required) | |
| | NA | |

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BASIC DESCRIPTION

No changes have been observed at Nan-ching Cement Plant Lung-tan since May 1970, the date of the latest photography used in the previous report.

Smoke coming from one of the stacks obscured the others, indicating that at least one and possibly all of the kilns were operating in April 1971. This plant has three, and possibly four, kilns.

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|---|------------------------|-----------------------------|
| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Nan-ping Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 50RPE156436 | 26-36-25N 118-09-35E | |
| MAP REFERENCE | | |
| 548th RTG. USATC, Series 200. Sheet M0498-10HL. 3rd ed. Apr 68. Scale 1:200,000 | | |
| (SECRET) | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| -- | | NA |

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NOTICE

Nan-ping Cement Plant has not been seen on photography since November 1968.

Previous analysis indicated that this plant has two rotary kilns.

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| INSTALLATION OR ACTIVITY NAME | | COUNTRY | |
| Shih-tsui-shan Cement Plant Erh-tao-kan | | CH | |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | COMIREX NO. | NIETB NO. |
| -- | 39-36-00N 106-49-00E | None | None |
| MAP REFERENCE | | | |
| ACIC. Tactical Pilotage Chart, Sheet G-9A, 1st ed, Oct 68, Scale 1:500,000 (UNCLASSIFIED) | | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) | |
| | | | |

25X1

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BASIC DESCRIPTION

Shih-tsui-shan Cement Plant Erh-tao-kan is located in Erh-tao-kan, approximately 15 nautical miles north of Shih-tsui-shan. The plant is road and rail served. No physical security measures are apparent. The plant occupies about 36 acres in an area approximately 1,410 by 1,180 feet.

This plant is designed to produce cement using the dry process. The plant has two exposed rotary kilns, each measuring 155 feet (see Figure 5). Each kiln is served by a masonry stack. Other major plant components include four mixing and blending silos, a raw material preparation/clinker storage building, a finishing mill, eight final product storage silos, and a bagging and shipping building.

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In February 1966, ground scarring for several plant buildings was apparent. In November 1966, the raw materials/clinker storage building, final product storage silos, and stacks were under construction. In May 1967, the bagging and shipping building was under construction. The northern kiln was installed between February 1968 and December 1968, and the southern kiln was installed between December 1968 and May 1969. The plant was apparently complete in March 1970, but it has not been seen operating.

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|--|------------------------|-----------------------------|-----------|
| INSTALLATION OR ACTIVITY NAME | | COUNTRY | |
| Tou-tang Cement Plant | | CH | |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | COMIREX NO. | NIETB NO. |
| -- | 26-34-20N 104-56-15E | None | None |
| MAP REFERENCE | | | |
| AMS. Series 1501, Sheet NG 48-6, Wei-ning, China, Scale 1:250,000, 1st ed, 1970 (UNCLASSIFIED) | | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) | |
| | | 7 February 1966 | |

25X1

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BASIC DESCRIPTION

Tou-tang Cement Plant is located approximately 3.5 nautical miles (nm) east of Tou-tang (Shui-cheng), and 145 nm northeast of Kun-ming. It is road and rail served. There are no apparent physical security measures. The plant occupies about 35 acres in an area approximately 2,000 by 970 feet.

The plant uses the wet process to produce cement. It has two exposed rotary kilns, each measuring 475 feet (see Figure 6). Each kiln is served by a masonry stack. Other major plant components include two crushing and grinding units, a slurry tank, eight mixing and blending silos, a raw material preparation/clinker storage building, a gypsum mill, ten final product storage silos, and a bagging and shipping building.

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Ground scarring for the plant was observed in January 1967. By February 1969, foundations for several buildings were seen, and the bagging and shipping building was under construction. In March 1971, one kiln was in place and all of the major buildings were externally complete. The plant was complete and operational in January 1972.

One kiln was observed operating for the first time in January 1972 when smoke was coming from its stack.

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25X11

INSTALLATION OR ACTIVITY NAME

COUNTRY

Tzu-po Cement Plant Nan-ting

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

50SNR952680

36-45-10N 118-04-08E

25X1

MAP REFERENCE

15th RTS. USATC, Series 200, Sheet M0381-22HL, 4th ed, Jul 68, Scale 1:200,000

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

25X1

BASIC DESCRIPTION

No changes have been observed at Tzu-po Cement Plant Nan-ting since December 1970, the date of the latest photography used in the last report.

Smoke coming from one stack indicated that one kiln was operating in April 1971. Three of the four kilns were operating in January 1972.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Yao-hsien Cement Plant

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

49SCJ145675

34-54-20N 108-59-20E

25X1

MAP REFERENCE

15th RTS. USATC, Series 200, Sheet M0384-10HL, 2nd ed, Jun 68, Scale 1:200,000

(SECRET)

25X1

LATEST IMAGERY USED

NEGATION DATE (If required)

NA

25X1

BASIC DESCRIPTION

No changes have been observed at Yao-hsien Cement Plant since May 1970, the date of the latest photography used in the previous report.

Smoke coming from two of the three stacks indicated that only two of the three kilns were operating in March 1971.

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|--|------------------------|-----------------------------|
| INSTALLATION OR ACTIVITY NAME | | COUNTRY |
| Ying-te Cement Plant | | CH |
| UTM COORDINATES | GEOGRAPHIC COORDINATES | |
| 49RGS492918 | 24-19-10N 113-27-20E | |
| MAP REFERENCE | | |
| USN00. USATC, Series 200, Sheet 0498-21HL, 1st ed, Mar 62, Scale 1:200,000 (SECRET) | | |
| LATEST IMAGERY USED | | NEGATION DATE (If required) |
| <div data-bbox="126 758 631 814" style="border: 1px solid black; width: 311px; height: 27px;"></div> | | NA |

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25X1

BASIC DESCRIPTION

A kiln has been constructed at Ying-te Cement Plant since December 1969, the date of the latest photography used in the previous report. This kiln, the only one at the plant, measures about 375 by 10 feet (see Figure 8). It has not yet been observed operating. No other changes have been observed at the plant.

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Top Secret



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